# Use Attainability Analysis

for

WBID 0724 Middle River

Submitted by Missouri Department of Natural Resources Staff

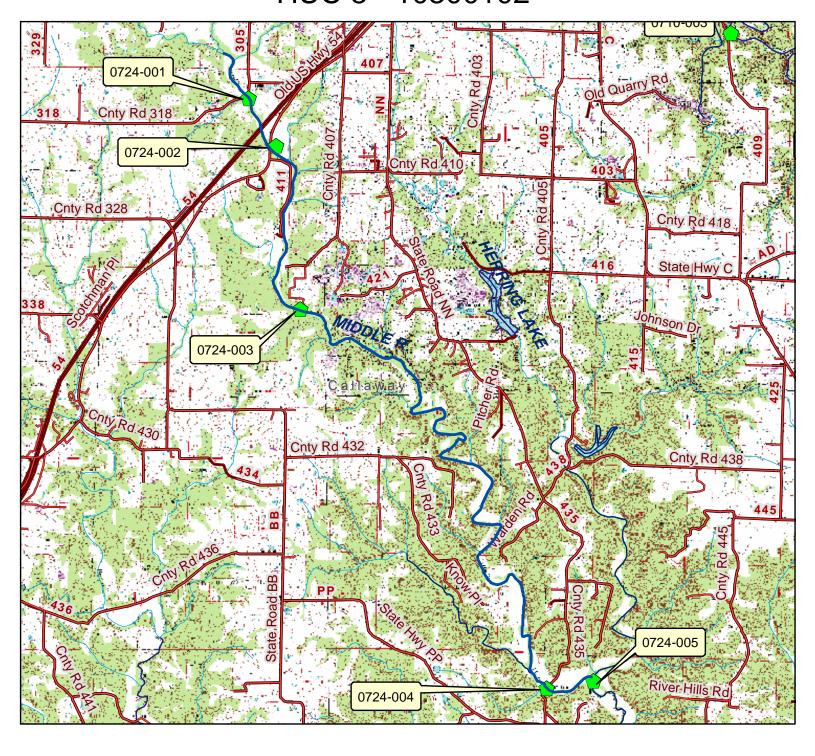
To Missouri Department of Natural Resources Water Protection Program

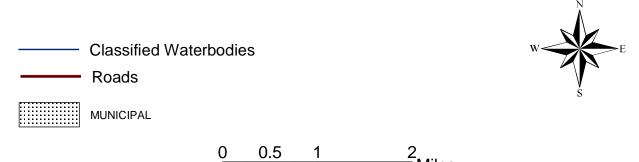
725 JUL 12 AH 8: 09

Data Sheet A - Water Body Identification FRETECTION PROCESSING

8-digit HUC: 10305102  Missouri WBID #: 0724  County: Callaway  Upstream Legal Description:  Downstream Legal Description:  Upstream Coordinates: 38,79643 -92.  Downstream Coordinates: 39,70531 -91.	01491 Ste 001 0
County: Callacon/ Upstream Legal Description:  Downstream Legal Description:  Upstream Coordinates: 38.79643 -92.  Downstream Coordinates: 38.7053/ -9/.	01491 Ste 001 0
County: Callaway  Upstream Legal Description:  Downstream Legal Description:  Upstream Coordinates: 38.79 6 43 - 92.  Downstream Coordinates: 39.70531 - 91.	.01491 Ste 001 On
Upstream Legal Description:  Downstream Legal Description:  Upstream Coordinates: 38,79643 - 92  Downstream Coordinates: 38,7053/ - 9/.	01491 Ste 001 0
Upstream Coordinates:         38,79643         -92           Downstream Coordinates:         38,7053/         -9/.	nilai Stepoi a
Downstream Coordinates: 38.7053/ -9/.	DINGI Ste DOL O
· · · · · · · · · · · · · · · · · · ·	, V 17 1 1 2 N
· · · · · · · · · · · · · · · · · · ·	95802 Site 004
Discharger Facility Name(s):	
Discharger Permit Number(s):	
Number of Sites Evaluated: 3 of 5	
Name of Surveyor and Telephone Number: R. Duchrow 573-751-6623	3
Organization: Missouri Department of Natural Resources	
Position: Stream Biologist	

# Middle River (C) #0724 Callaway County HUC 8 - 10300102





#### Data Sheet B - Site Characterization

(A separate data shect must be completed for each site)

Missouri WBID#: 0 7	24-001		Site Location Description:					
Site GPS Coordinates: 3		o1481	816 69,00	BR				
Date & Time: 7/11/9			Facility Name:					
Personnel: R. Duchrow	12 12		Permit Number:					
Current Weather Condition	ons: Character		Weather Conditions for Past 7 days: Cicae					
Photo Ids: Upstream: \		nstream: , ,	Other	· · ·	<del> </del>			
	20 - 00 0 0 1		00-008-01					
es Observed*:								
Swimming			CUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	. 🗀 В	oating	☐ Wading	Rafting			
Hunting	Trapping	[] Fi	ishing	None of the above	Other:			
Describe: (include numb	er of individuals rece	reating, freq	uency of use, photo-	documentation of evidence	of recreational uses, etc			
rrounding Condition				documentation of evidence	<u> </u>			
		promote or in			<u> </u>			
rrounding Condition ns of interest.)  City/county parks	18*: (Mark all that p	promote or in	mpede recreational u	uses. Attach photos of evide	nce or unusual			
rrounding Condition	18*; (Mark all that p	oromote or in	mpede recreational u conservation lands al forests	ases. Attach photos of evide.	nce or unusual  Campgrounds  Stairs/walkway			
rrounding Condition as of interest.) City/county parks Boating accesses No trespass sign	ns*; (Mark all that p  ☐ Playgrounds ☐ State parks ☐ Fence	oromote or in	mpede recreational u conservation lands al forests	uses. Attach photos of evide.  Urban areas  Nature trails	nce or unusual  Campgrounds  Stairs/walkway			
rrounding Condition as of interest.) City/county parks Boating accesses	ns*; (Mark all that p  ☐ Playgrounds ☐ State parks ☐ Fence	oromote or in  MDC of  Nation  Steep s	mpede recreational u conservation lands al forests	uses. Attach photos of evide.  Urban areas  Nature trails	nce or unusual  Campgrounds  Stairs/walkway			
rrounding Condition ms of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p  □ Playgrounds □ State parks □ Fence	oromote or in MDC of Nation Steep s	mpede recreational u conservation lands al forests slopes	Urban areas  Nature trails	Campgrounds Stairs/walkway			

<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - WBID #;	Data Sheet B - Site	e Characteri	ization			
Stream Morphology: <u>Upstream View Physical Dime</u>	ensions:					
Riffle Width (ft):	Length (ft):	Avg. Depth (f	ft):	Max. Depth	ı (ft):	
Run Width (ft):	Length (ft):	Avg. Depth (1	ft):	Max. Depth	(ft):	
Pool Width (ft): 60'	Length (ft): 366	Avg. Depth (f	ft): 3,5	Max. Depth	ı (ft):	 ຣ໌
☑ Flow Present? ☐ Yes ☑	Νo	Estimated (ft <sup>3</sup>				
Downstream View Physical Di	mensions:					
Riffle Width (ft):	Length (ft):	Avg. Depth (1	 ft):	Max. Depth	ı (ft):	
Run Width (ft):	Length (ft):	Avg. Depth (i	ft):	Max. Depth	ı (ft):	·
Poolx3 Width (ft): 60'	Length (ft): 75'	Avg. Depth (i	ft): <u>s</u> '	Max. Depth	ı (ft): 🔎	ı'
☐ Flow Present? ☐ Yes ☐	No	Estimated (ft <sup>3</sup>	/sec):	•		, <u>, , , , , , , , , , , , , , , , , , </u>
Aquatic Vegetation*: (note amount	that apply.)	wth at the asses	sment site)	% Mud/Clay	30	% Bedrock
Odor: Sewage  Color: Clear		iemical	None	Other:	· · · · · · · · · · · · · · · · · · ·	
Bottom Deposit: Sludge		ray ne sediments	☐ Milky  None	Other:		
Surface Deposit: Oil	C 1	am	None	Other:	<del></del>	•
*This information is not to be used solely comprehensive understanding of water co decision on the recreation use analysis but	for removal of a recreation inditions. Consequently, to the may point to conditions to	mal use designa his information that need furthe	ation but rather is t is not intended to er analysis or that e	o provide a n directly influ effect another	nore nence a ruse.	
I, the undersigned, hereby affirm datasheet is true and accurate.	to the best of my ki	nowledge, th	at all informa	tion report	ted on t	his UAA
Signed:	·	Date:	7/11/05			_
Organization: Missouri Departmen	t of Natural Resource			ist		_

0724\_001\_DS



0724\_001\_DS



#### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: and	24 · 009		Site Location De	escription:				
Site GPS Coordinates: 35		066	מרם איהא פ	SH BR (5 Ower Rd	5			
Date & Time: 7/11/01	is the second	- <b>.</b>	Facility Name:					
Personnel: R. Duchrow	<u> </u>		Permit Number:					
Current Weather Conditi	ons: Cloudy		Weather Conditions for Past 7 days:					
Photo Ids: Upstream:	Downstr	ream:	Other		~			
	30-0005	100	3.6884 1	• •				
Uses Observed*:					,			
Swimming	Skin diving	_ □ sc	UBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	Вог	ating	Wading	Rafting			
Hunting	Trapping	☐ Fisl	hing	None of the above	Other:			
Surrounding Condition	ns*: (Mark all that prop	note or im	pede recreational v	uses. Attach photos of evider	nce or unusual			
items of interest.)								
City/county parks	Playgrounds	MDC co	nservation lands	Urban areas	Campgrounds			
☐ Boating accesses	State parks	National	forests	☐ Nature trails	☐ Stairs/walkway			
☐ No trespass sign	Fence	Steep slo	pes	Other: Rugal -	wooded Residence			
Evidence of Human Us	e*:							
☑ Roads	Foot paths/prints		Oock/platform	Livestock Watering	RV / ATV Tracks			
Rope swings	Camping Sites	☐ F	ire pit/ring	☐ NPDES Discharge	Fishing Tackle			
Other: Sml Dag	د وجوی عد							
	<del></del>							

<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

☑ Riffle	Width (ft)	•	imensions: Length (ft):		Avg. Depth (	ft): Dry at to	معة. Depth	(ft):
Run	Width (ft)	1.	Length (ft):		Avg. Depth (		Max. Depth	(ft):
Pool	Width (ft)	: as'	Length (ft):	90	Avg. Depth (	(ft): 6.2'	Max. Depth	(ft): 0.5'
Flow	Present?	🔲 Yes	⊡⁄No		Estimated (ft			
Downstre	eam View	Physica	l Dimensions:					
Riffle	Width (ft)		Length (ft):		Avg. Depth (	(ft): 0,1	Max. Depth	(ft): 0,2'
Run	Width (ft)		Length (ft):		Avg. Depth (		Max. Depth	
Pool	Width (ft)	: 40 <sup>'</sup>	Length (ft):	(50°	Avg. Depth (	(ft): 3.0	Max. Depth	(ft): 3.5'
Flow	Present?	Yes	☑\No		Estimated (ft			<u> </u>
quatic Ves	% Cobble   getation*: ک	(note amo	ount of vegetation	or algal	Sand growth at the asse	% Silt   ssment site)	% Mud/Clay	% Bedrocl
CLOS CES	getation*	(note amo	ount of vegetation	or algal		<del></del>	% Mud/Clay	% Bedrocl
ater Char	getation*	(note amo	ount of vegetation	or algal	growth at the asse	ssment site)		% Bedrock
CLOS CES	getation*	(note amo	sall that apply.)	or algal	growth at the asse	ssment site)	Other:	% Bedrocl
ater Char	getation*	(note amo	ount of vegetation	or algal	growth at the asse	ssment site)  None  Milky	Other:	% Bedrocl
ater Char Odor: Color:	getation*  racteristic	(note amo	all that apply.)  Musky	or algal	growth at the asse	ssment site)	Other:	% Bedrocl
ater Char Odor: Color: Bottom Do Surface Do omments:	racteristic  peposit:  Please att  tion is not to  understand	cs*: (Mark Sewage Clear Shudge Oil	all that apply.)  Green Solids Scum Scum Green conditions. Co	or algal	growth at the asse  Chemical Gray Fine sediments Foam uding informational use design	ssment site)  None Milky None None not from interestion but rather is not interest.	Other:	form.
ater Char Odor: Color: Bottom Do Surface Do omments: his informat mprehensive cision on the	racteristic  eposit:  Please att  tion is not to e understand e recreation	s*: (Mark Sewage Clear Sludge Oil tach addi	all that apply.)    Musky   Green   Solids   Scum     Solids   Comment   Solids   Comment	or algal	Chemical Chemical Gray Fine sediments Foam uding informational use design	None Milky None None nation from intended	Other: Other: Other: Other: other: this er is to provide a meled to directly influthat effect another	form.

0724\_002\_US



#### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 073	4-003		Site Location Description:				
Site GPS Coordinates:			Co. 20 40	of Crossing			
Date & Time: 7/11/65	1453 h	₹3 :	Facility Name:				
Personnel: R. Duchrow			Permit Number:				
Current Weather Condition	ns: Cloudy		Weather Conditions for Past 7 days: Claux				
Photo Ids: Upstream:		nstream:	Other		,,,,		
Uses Observed*:		•					
Swimming	Skin diving	□ sct	JBA diving	Tubing	☐ Water skiing		
Wind surfing	☐ Kayaking	☐ Boz	ting	Wading	Rafting		
Hunting	Trapping	☐ Fish	uing	None of the above	Other:		
Surrounding Condition				documentation of evidence			
items of interest.)					,		
City/county parks	☐ Playgrounds	MDC cor	nservation lands	Urban areas	☐ Campgrounds		
☐ Boating accesses	State parks	✓ National	forests	☐ Nature trails	Stairs/walkway		
☑ No trespass sign	Fence /35%	Steep slo	pes	Other: Rural - U	Dooded		
Evidence of Human Use	*:						
Roads - 5 **	Foot paths/prin	<del></del>	ock/platform	Livestock Watering	RV / ATV Tracks		
Rope swings	Camping Sites	F	ire pit/ring	☐ NPDES Discharge	Fishing Tackle		
Other:							

<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

	gy; Physical Di					
· <del></del>	·	Length (ft):	Avg. Dept		Max. Depth (ft	
Run Width	· · · · · · · · · · · · · · · · · · ·	Length (ft):	Avg. Dept		Max. Depth (ft	t): 
Pool Width	· ·	Length (ft):	Avg. Dept	<del></del>	Max. Depth (ft	t): 
Flow Preser	ıt? 🔲 Yes	□ No	Estimated	(ft³/sec):		
Downstream V		Dimensions:				
Riffle Width	(ft):	Length (ft):	Avg. Dept	h (ft):	Max. Depth (ft	:):
Run Width	. (ft):	Length (ft):	Avg. Dept	h (ft):	Max. Depth (ft	:):
Pool Width	(ft):	Length (ft):	Avg. Dept	h (ft):	Max. Depth (ft	:):
☐ Flow Preser	ıt? 🗌 Yes	□No	Estimated	(ft <sup>3</sup> /sec):		
% Cobb	e	add up to 100%.) 6 Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
% Cobb	e	6 Gravel unt of vegetation or	% Sand algal growth at the as		% Mud/Clay	% Bedrock
% Cobb uatic Vegetatio	e	of Gravel unt of vegetation or all that apply.)	algal growth at the as	sessment site)		% Bedrock
% Cobb	e	of Gravel unt of vegetation or all that apply.)	algal growth at the as	sessment site)	Other:	% Bedrock
% Cobb uatic Vegetatio	e	of Gravel unt of vegetation or all that apply.)	algal growth at the as	sessment site)  None  Milky		% Bedrock
% Cobb  uatic Vegetatio  ater Characteri Odor: Color: Bottom Deposit:	n*: (note amou	all that apply.)  Musky Green Solids	algal growth at the as  Chemical Gray Fine sediment	None Milky None	Other:	% Bedro
% Cobbination Vegetation  ater Characteric Odor: Color: Bottom Deposit: Surface Deposit: mments: Please	stics*: (Mark Sewage Clear Sludge Oil	all that apply.)  Musky Green Solids Scum	algal growth at the as  Chemical Gray Fine sediment Foam  (including information)	None Milky None None None	Other: Other: Other: Other:	πn.
watic Vegetation  ater Characteric Odor: Color: Bottom Deposit: Surface Deposit: mments: Please his information is no aprehensive underst ision on the recreati	stics*: (Mark Sewage Clear Sludge Oil attach addition to be used solution use analysis, hereby affi	all that apply.)    Musky   Green   Solids   Scum   Indicate the second to the best of the second to the best of the second to the best of the second to the second to the best of the second to	Chemical Gray Fine sediment Foam (including informate a recreational use desired and its informate and	None None None None ntion from integration but rather analysis or	Other: Other: Other: Other:	mn.

0724\_003\_DS



#### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 073	4-004		Site Location De	Site Location Description:				
Site GPS Coordinates: 3		, 95 E0 Z	CORD 435	BR				
Date & Time: Wo			Facility Name:					
Personnel: R. Duchrow			Permit Number:					
Current Weather Conditi	ons: Cloude		Weather Condition	Weather Conditions for Past 7 days:				
Photo Ids: Upstream:	17-909\ Dow	nstream:	Other		·			
ses Observed*:	\			Tomas	I company			
Swimming	Skin diving	-+=	SCUBA diving	Tubing	Water skiing			
☐ Wind surfing	☐ Kayaking		Boating	Wading	Rafting			
☐ Hunting	☐ Trapping	🗀 I	Fishing	None of the above	Other:			
Describe: (înclude numb		Ŭ,	daran) or may brane					
urrounding Condition			40.40	ises. Attach photos of evide				
	18*: (Mark all that p	promote or	impede recreational t	uses. Attach photos of evide	nce or unusual			
urrounding Condition		promote or	40.40					
urrounding Condition	18*: (Mark all that p	promote or	impede recreational t	uses. Attach photos of evide	nce or unusual			
urrounding Condition ms of interest.)  City/county parks	18*: (Mark all that p	oromote or  MDC	impede recreational u	uses. Attach photos of evide	nce or unusual  Campgrounds  Stairs/walkway			
urrounding Condition ms of interest.)  City/county parks  Boating accesses	Playgrounds  State parks	oromote or  MDC	impede recreational u conservation lands nat forests	ises. Attach photos of evide Urban areas Nature trails	Campgrounds Stairs/walkway			
urrounding Condition ons of interest.) City/county parks Boating accesses No trespass sign	Playgrounds  State parks	oromote or  ☐ MDC ☐ Nation ☐ Steep	impede recreational u conservation lands nat forests	uses. Attach photos of evide  Urban areas  Nature trails  Other: Rural - 4	Campgrounds Campgrounds Stairs/walkway Cached			
urrounding Condition ms of interest.)  City/county parks Boating accesses No trespass sign	Playgrounds  Playgrounds  State parks  Fence	oromote or  ☐ MDC ☐ Nation ☐ Steep	impede recreational u conservation lands nat forests slopes	Urban areas  Nature trails	Campgrounds Stairs/walkway			

<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Tv	vo – WBID	# <u></u> :	પ Data She	et B - Si	ite Characteri	zation		
	Morpholog eam View		Dimensions:					
1 —	iffle Width		Length (ft):		Avg. Depth (f		Max. Depth (ft):	
☐ R	un Width	(ft):	Length (ft):		Avg. Depth (f	t):	Max. Depth (ft);	
<b>□</b> P0	ool Width	(ft): موا	Length (ft):	300	Avg. Depth (t	t): '2.1	Max. Depth (ft):	<del></del>
<b>□</b> fi	ow Present	_	□ No	7.7-	Estimated (ft <sup>3</sup>		`s	
Down	ıstream Vie	w Physica	al Dimensions:					
☑ R			Length (ft):	as'	Avg. Depth (f	t):(*	Max. Depth (ft):	o.3′
R	un Width	(ft):	Length (ft):	<del></del>	Avg. Depth (f		Max, Depth (ft):	
<b>⊡</b> ′P∘	ool Width	(ft): 50°	Length (ft):	30′	Avg. Depth (f	ft): 1.0'	Max. Depth (ft):	a,s′
☑ F	ow Present	? Yes	□ No		Estimated (ft <sup>3</sup>		•	4. 5
Aquatic	Vegetation	*: (note am	ount of vegetation。 グ	or algal gr	rowth at the asses	sment site)		
		tics*: (Mar	k all that apply.)					
Odor	·	Sewage		<u> </u>	Chemical	None	Other:	
Color		Clear	Green		Gray	Milky	Other:	
	m Deposit: ce Deposit:	☐ Sludge ☐ Oil	☐ Solids ☐ Scum →		Fine sediments	None	Other:	
				<del>25</del> 860	foam ling information	None on from inter	Other:	п.
decision o	nsive understa n the recreation	nding of war n use analys hereby af	er conditions. Con is but may point to firm to the bes	sequently condition	this information that need further	is not intended er analysis or th	is to provide a more I to directly influence at effect another use.  nation reported o	
Signed:	_ <del>P</del>	u accura	· · · · · · · · · · · · · · · · · · ·		Date:	20)11\F		
Organiza	ation: <u>Misse</u>	uri Depart	ment of Natural	Resour	ces Position:	Stream Biol	logist	

0724\_004\_DS



0724\_004\_DS



#### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: ang	4.005		Site Location Description:				
Site GPS Coordinates:			40 ACC.	Sonnog Sabuou			
Date & Time: 7/11/65			Facility Name:				
Personnel: R. Duchrow			Permit Number:				
Current Weather Conditi	ions: Chandring/	51 p. 12 5	Weather Conditions for Past 7 days:				
Photo Ids: Upstream:	Dow	vnstream:	Other:				
			· · · · · · · · · · · · · · · · · · ·				
ses Observed*:	·,						
	Skin diving	□ sc	UBA diving	☐ Tubing	☐ Water skiing		
Wind surfing	☐ Kayaking	☐ Bo	ating	Wading	Rafting		
☐ Hunting	Trapping	☐ Fis	hing	☐ None of the above	Other:		
Describe: (include numb		reating, frequ	ency of use, photo	documentation of evidence			
urrounding Condition	55 E				of recreational uses, etc.)		
urrounding Condition	SS	promote or im	pede recreational	documentation of evidence	of recreational uses, etc.)		
urrounding Condition	55 E	promote or im		documentation of evidence	of recreational uses, etc.)		
urrounding Condition	SS	promote or im	pede recreational mands	documentation of evidence	of recreational uses, etc.)		
urrounding Conditionems of interest.)	ns*: (Mark all that )	promote or im	pede recreational onservation lands	documentation of evidence	of recreational uses, etc.)  nce or unusual  Campgrounds		
urrounding Conditionems of interest.)  City/county parks  Boating accesses  No trespass sign	ns*: (Mark all that parks   Fence	promote or im  MDC co	pede recreational onservation lands	documentation of evidence	of recreational uses, etc.)  nce or unusual  Campgrounds		
urrounding Conditionems of interest.)  City/county parks  Boating accesses	ns*: (Mark all that parks   Fence	promote or im  MDC co National	pede recreational onservation lands	documentation of evidence	of recreational uses, etc.)  nce or unusual  Campgrounds		
urrounding Conditionems of interest.)  City/county parks  Boating accesses  No trespass sign	ns*: (Mark all that parks   Fence	promote or im  MDC co  National  Steep sk	pede recreational onservation lands forests	documentation of evidence  uses. Attach photos of evidence  urban areas  Nature trails  Other:	of recreational uses, etc.)  ace or unusual  Campgrounds  Stairs/walkway		

<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Pa	ge Two –	•	: :	oa D	ata Shee	tB-S	ite C	haracter	ization				
	eam Mor Upstream		ysical D	imensi	ons:								
	Riffle	Width (ft)		Ler	gth (ft):		A۱	g. Depth (	ft):	Max	. Depth (ft):		
	Run	Width (ft)	:	Ler	igth (ft):		A۱	g. Depth (	ft):	Max	. Depth (ft):		
	Pool	Width (ft)	:	Ler	gth (ft):		A	/g. Depth (	ft):	Max	c. Depth (ft):		$\neg$
[	Flow	Present?	☐ Yes	☐ No			Es	timated (ft	<sup>3</sup> /sec):				
	Downstre	am View	Physica	l Dime	nsions:								
ſ	Riffle	Width (ft)			ngth (ft):		A٠	/g. Depth (	ft):	Max	c. Depth (ft):		$\neg$
Ī	Run	Width (ft)	:	Ler	ogth (ft):		A	/g. Depth (	ft):	Max	c. Depth (ft):	:	
Ì	Pool	Width (ft)	;	Lei	ngth (ft):		A٠	/g. Depth (	ft):	Max	c. Depth (ft):		
	Flow	Present?	Yes	☐ No			Es	timated (ft	<sup>3</sup> /sec):			• • • • • • • • • • • • • • • • • • • •	
<b>c</b>	h-44-*.	/77			1000/								
ou [	bstrate*:	6 Cobble		add up t % Grave		% :	Sand		% Silt	% Mı	ıd/Clay	% Bedro	ck
W:	ater Char	acteristic	<del></del>	k all that									
	Odor:		Sewage		Musky		Chem	ical	None		Other:		_
	Color:	<u>L</u>	Clear	<u></u>	Green	<u> </u>	Gray		Milky		Other:		$\dashv$
	Bottom De Surface De		Sludge Oil	<u> </u>	Solids Scum	<u></u> _	Foam	ediments	☐ None		Other: Other:		
*Theone dec	nis informati oprehensive ision on the	ion is not to understand recreation t	be used so ing of wat use analys ereby af	olely for er condit is but ma firm to	removal of ious. Cons y point to o	a recre sequentl condition	ational y, this ns that	use design informatio need furth wledge, t		er is to pro led to direc that effect rmation	vide a more thy influence another use.	e a	<b>L</b>
Ì		16						_Date:	7/11/0				
U	ganization	ı: <u>Missoui</u>	1 Depart	ment of	Natural	Kesou	rces	Position	: Stream B	<u>lologist</u>			